

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 07.10.30	Job No.:	ADR Yes/No: N	ADR Date:	ECN #: 1053P
Product No.: D412-742		Created By: <i>DC</i>	Approved By: <i>W</i>	
Product Name: Float Skidtube Installations		Checked By: <i>DC</i>	General Manager Approval:	

Distribution	Reqd	Resp	Received	Distribution	Reqd	Resp	Received
Production Manager	Y	LL/JLM	<i>W</i>	Customer Technical Support			
Production Engineering Coord	Y	EC/DD		Marketing			
Director Quality Assurance							
Customer Order Processing							

Reason for Change: PRELIMINARY ISSUE OF D412-742 FLOAT SKIDTUBE DRAWINGS

Documents Affected:
 RELEASE D3391 REV. G, PRELIMINARY
 D3670 REV. A, PRELIMINARY
 D3672 REV. B, PRELIMINARY

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings Under Review	Y	DC	D3391 UNDER REVIEW	07.10.30 <i>W</i>
2	Update Blue/Pink/DSI Folder and Electronic Files	N			
3	Update D-Part/M-Drawing/DSI/DEO Master Binders	N			
4	Update Grey Project Binder	N			
5	Move Electronic Files	N			
6	Update Master Document List (MDL)	N			
7	Update Document Record (DR)	N			
8	Create/Update Change Record Form	Y	KJ		07.10.30 <i>W</i>
9	Create/Update PPP's	Y	KJ		07.10.30 <i>W</i>
10	Update Controlled PDF Files	N			
11	Notify TC/FAA of Change	N			
12	Update QSI 021 and/or STC Approval List	N			
13	Update Product Development Summary	N			
14	Update Accpac Database	Y	KJ	NEW P/N'S	07.10.30 <i>W</i>
15	Update Access (ARC) Database	N			
16	Update/Verify ARC	N			
17	Update Paperwork Kits in Production	N			
18	Update Qpulse/Laminated Dwgs	N			
19	Update Product Compatability Matrix	N			
20	Create Eurocopter Form (FEE)	N			
21					

#	Production Actions	Reqd	Resp	Notes	Complete
22	Create/Update Coss IPP/BOM	Y	EC/DD	NEW PARTS, SEE BELOW	11/08/04/28
23	Update FAI Sheets	N			
24	Create/Update CNC Programs	Y	EC/DD	AS REQUIRED	11/08/04/28
25	Create/Update Tooling	Y	EC/DD	AS REQUIRED	
26	Red Tag Stock (Specify)	N			
27	Rework/Scrap Current Production and/or Stock	N			
28	Update Paperwork Kits in Stock	N			
29	Create/Update MPP	N			
30					

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	N			
32	Notify Eurocopter France	N			
33					

Description / Action:
 PROCEED AS INDICATED.
 D412-742-011/-013 AND ALL SUBS NEED REVISION.
 NEW CHG #'S WILL BE: D412-742-011 CHG 004
 D412-742-013 CHG 004

5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*12		*AN3C6A	*BOLT
4		*8		*AN3C7A	*BOLT
5		*44		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21A		*1		*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1		*D3566-1	*GASKET
22A		*1		*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1		*D3566-1	*GASKET
23A		*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1		*D3566-5	*GASKET
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225 ✓✓	**INSERT (REPLACES NAS1330S3KB166)
12B		**2		**AELS-1032-130 ✓✓	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1 ✓	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24A		**1		**D3564-13	**WEARSHOE
24B		**1		**D3566-13	**GASKET
		**9		**D3670-4200 ✓	**SPACER /
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130 ✓✓	**INSERT (REPLACES NAS1330S3KB116)
		**12		**D3670-4200 ✓	**SPACER
30		*1		*D3391-015	*412 AFT TUBE
25A		**1		**D3537-1	**WEARPAD
25B		**1		**D3553-1	**GASKET
26A		**1		**D3537-7	**WEARPAD
26B		**1		**D3553-3	**GASKET
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130 ✓✓	**INSERT
36		**12		**AELS-1032-225 ✓✓	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1 ✓	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**AELS-428-165 ✓✓	**INSERT (REPLACES NAS1330S4KB151)
		**14		**D3670-4200 ✓	**SPACER /

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Item	Qty -011	Qty -041	Qty -015	Part Number	Description
✓ 40	1			D2571	SADDLE, FWD OUTSIDE
✓ 41	1			D2572	SADDLE, FWD INSIDE
✓ 42	1			D2573	SADDLE, AFT OUTSIDE
✓ 43	1			D2574	SADDLE, AFT INSIDE
✓ 44	2			D2876	SADDLE SPACER
✓ 45	2			D2877	SADDLE SPACER
✓ 46	16			D3403-1	BUSHING
✓ 47A	4			D2747	SET SCREW
✓ 47B	2			D3533-1	SET SCREW
✓ 48	16			AN4C6A	BOLT
✓ 49	8			AN4C52A	BOLT
✓ 50	8			AN6C12A	BOLT
✓ 51A	32			D3672-3 ✓	WASHER (REPLACES NAS1515H4L) /
✓ 51B	32			AN960C416L	WASHER
✓ 52A	8			D3672-9 ✓	WASHER (REPLACES NAS1515H6L) /
✓ 52B	8			AN960C616L	WASHER
✓ 53	16			D3672-11 ✓	WASHER (REPLACES NAS1515H7L) /
✓ 54	24			MS21043-4	NUT
✓ 55	4			AN4C7A ✓	BOLT
✓ 91	3			AN3C37A ✓	BOLT
✓ 92	2			AN3C40A ✓	BOLT
✓ 93	3			AN3C41A ✓	BOLT
✓ 94	3			AN3C42A ✓	BOLT
✓ 95	3			AN3C43A ✓	BOLT
✓ 96	21			AN3C46A ✓	BOLT
✓ 97	70			AN960C10L ✓	WASHER
✓ 98	35			MS21043-3 ✓	NUT
✓ 60	8			D3403-3	BUSHING
✓ 61	1			D3405-041	GHW LUG
✓ 62	1			D3405-043	GHW LUG
✓ 63	4			AN4C46A	BOLT
✓ 64	4			MS21043-4	NUT
✓ 70	1			D3407-041	TOW RING
✓ 71	2			D3417-3	WASHER
✓ 72	1			MS21043-4	NUT
✓ 73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165 ✓	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***ALS4-1032-130 ✓	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1 ✓	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L ✓	***WASHER
90A		***4		***D3672-3 ✓	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013

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Revision: D

Date: 07.10.04

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*12	*AN3C6A	*BOLT
4		*8	*AN3C7A	*BOLT
5		*44	*AN960C10L	*WASHER
21A		*1	*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1	*D3566-1	*GASKET
22A		*1	*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1	*D3566-1	*GASKET
23A		*1	*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1	*D3566-5	*GASKET
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225 ✓✓	**INSERT (REPLACES NAS1330S3KB166)
12B		**2	**AELS-1032-130 ✓✓	**INSERT (REPLACES NAS1330S3KB166) /
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1 ✓	**WASHER (REPLACES NAS1515H3L) /
14B		**10	**AN960C10L	**WASHER
24A		**1	**D3564-13	**WEARSHOE
24B		**1	**D3566-13	**GASKET
		**4	**D3670-4200 ✓	**SPACER /
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130 ✓✓	**INSERT (REPLACES NAS1330S3KB116)
		**5	**D3670-4200 ✓	**SPACER
30		*1	*D3391-025	*412 AFT TUBE
25A		**1	*D3537-1	**WEARPAD
25B		**1	*D3553-1	**GASKET
26A		**1	*D3537-7	**WEARPAD
26B		**1	*D3553-3	**GASKET
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130 ✓✓	**INSERT
36		**12	**AELS-1032-225 ✓✓	**INSERT (REPLACES NAS1330S3KB366) /
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1 ✓	**WASHER (REPLACES NAS1515H3L) /
38B		**10	**AN960C10L	**WASHER
		**4	**D3670-4200 ✓	**SPACER /

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Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46	16		D3403-1	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49	8		AN4C52A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3 ✓	WASHER (REPLACES NAS1515H4L) /
51B	32		AN960C416L	WASHER
52A	8		D3672-9 ✓	WASHER (REPLACES NAS1515H6L) /
52B	8		AN960C616L	WASHER
53	16		D3672-11 ✓	WASHER (REPLACES NAS1515H7L) /
54	24		MS21043-4	NUT
55	4		ANC47A	BOLT
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
96	5		AN3C46A	BOLT
97	26		AN960C10L	WASHER
98	13		MS21043-3	NUT
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C46A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

5.3 D412-742-018 Cable Guard Parts List

Item	Qty -018	Part Number	Description
	X	D412-742-018	CABLE GUARD KIT
101	1	D3499-042	CABLE GUARD ASSEMBLY
102	1	*D3499-2	*MOUNTING PLATE
103	1	*D3499-3	*PLASTIC GUARD
104	2	*D3499-5	*PLACARD
105	2	*AN3C5A	*BOLT
106	3	*AN3C6A	*BOLT
107	10	*AN960C10L	*WASHER
108	5	*MS21043-3	*NUT
109	5	*D3672-1 ✓	*WASHER (REPLACES NAS1515H3L) /
120	5	AN3C5A	BOLT
121	3	AN3C7A	BOLT
122	2	AN3C10A ✓	BOLT
123	10	D3672-1 ✓	WASHER (REPLACES NAS1515H3L) /
124	10	AN960C10L	WASHER

*DENOTES PART IS INCLUDED WITH D3499-042 ASSEMBLY ABOVE